

James Ball

Full Stack Developer

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Software Engineer focused on AI-driven full-stack development, with 2+ years of experience building LLM-powered solutions for fast-paced startups. Skilled in developing intuitive front-end interfaces (Vue.js, TypeScript) and backend systems (PHP, Python, Node.js). Passionate about collaborative problem-solving, continuous learning, and contributing to platforms that prioritize measurable human impact.

Skills

LANGUAGES: TypeScript, JavaScript, Python, PHP, HTML, CSS

FRAMEWORKS, LIBRARIES, AND ENVIRONMENTS: React (Next.js), Vue.js (Nuxt 3, Pinia, Vuetify), Tailwind, Node.js (Express, EJS), Laravel, jQuery

TESTING: Vitest, Cypress, Jest

SYSTEMS AND DATABASES: SQL, PostgreSQL, Pocketbase

Work History

Full Stack Developer | *Originality.ai*, Collingwood, ON | **01/2023-01/2025**

Core App Enhancements:

- Migrated the Originality.ai core app from Vue 2 to Nuxt 3 in collaboration with a team of developers.
- Implemented advanced features to the core app, including grammar and spell check, and prototyped the app's Fact-Checking feature.

Marketing Tool Creation Strategy:

- Partnered with cross-functional stakeholders to strategize and prioritize the development of 5+ marketing tools, including the high-impact [Character Counter](#), ensuring a seamless UX and direct measurable benefits for end-users.

Open Source Contribution:

- Developed the [AI Detector Research Tool](#), an open-source Python CLI tool, enabling users to test multiple AI detectors on large datasets.
- Led the development of the [GUI version](#) of the above tool using Python, Vue.js, and Vuetify, ensuring an intuitive user interface to extend the usability of the AI Detector Research Tool.

AI Detector Chrome Extension Development:

- Collaborated with design and development teams to build a user-friendly [AI Detector Chrome Extension](#) that identifies AI-generated content on web pages and Google Docs, integrating data visualization (ApexCharts) and PDF report generation (jsPDF).

CI/CD Implementation:

- Engineered a CI/CD pipeline with GitHub Actions, cutting deployment times by over 50% and promoting a culture of quick iteration, robust testing, and continuous delivery—supporting a high-paced agile development environment.

Public Projects

- [Chrome Extension](#) – 12/24 – An AI Detector Chrome Extension built to help identify AI-generated content. **Tech Stack:** Typescript, Vue.js, Vuetify, Apexcharts
- [Free AI Marketing Tools](#) – A collection of LLM powered user-friendly marketing tools optimized for performance and usability. **Tech Stack:** Typescript, Vue.js, PHP, Vuetify
- [Character Counter](#) – 11/23 – A web-based tool allowing users to easily count characters in text for SEO and other writing tasks. **Tech Stack:** Typescript, Vue.js, PHP, Tailwind
- [AI Detector Research Tool](#) – 08/23 – An open source command line tool, which enables users to simultaneously test the accuracy of multiple AI detectors on large datasets. **Tech Stack:** Python.
- [AI Detector Research Tool UI](#) – 01/24 – A graphical user interface for the AI Detector Research Tool. **Tech Stack:** Typescript, Vue.js, Vuetify

Education

Diploma: Full Stack Web Development | *Lighthouse Labs - Vancouver, BC* | **2022**